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way, several device plates may be laid over the frame, which will be readily achieved by those skilled in the art. The PCB 70 may be held by the second holding surface 44 of the frame with a given space therebetween, which is especially effective in the case of the PCB having electronic circuits formed on both sides. In the present embodiment, a plurality of spacing ribs 48 are formed on the second holding surface 44.

The frame 40 has a battery case 52 integrally formed thereon to mount a battery (not shown). The battery may be attached to or detached from the battery case 52 through a door 32 formed in the bottom housing 30. In addition, a speaker mount 28 is prepared in the part of the inside of the top housing part 20 where the battery case 52 is positioned when the frame is connected to the top housing part 20, so that a speaker may be readily attached to or detached from the speaker mount 28 through the door 32 without disassembling the computer 10. This improves the efficiency of using the internal space of the housing. The PCB 70 is provided with battery terminals 74 associated with the battery case 52 when it is mounted on the frame 40. This makes it unnecessary to use separate conductive lines to connect the battery terminals with the electronic circuits, thus simplifying the assembly of the computer.

A plurality of switches 72 are arranged on the PCB 70 for switching the computer to various functions, and a plurality of buttons 26 mounted in the top housing part 20 to correspond with the switches 72. The buttons have surfaces exposed outwardly. In this case, the displacement range of the buttons 26 should be to effectively operate the switches 72. In order to secure the effective operation of the switches from the contrary, a plurality of mediums 50 are integrally formed with the frame 40 so as to be respectively interposed between the switches 72 and buttons 26. This causes the pressing of the buttons to be efficiently transferred via the mediums to the switches. A stylus 80 is employed as the data input unit instead of a keyboard. If the stylus is a conductive stylus, it is electrically connected to the computer via a conductive cord. In the present embodiment, the stylus is the type of screen write or touch screen technology. The stylus may be stored into the housing of the computer 10. To this end, a stylus support 54 is formed in the frame 40 to have a support surface accommodating the periphery of the stylus 80. It also has a hook 56 resiliently formed so as to hold a groove 82 formed on the stylus 80. The hook 56 serves to prevent the stylus 80 from being inadvertently detached from the stylus support 54. The hook 56 is formed at a free end of a strip of which the other end is connected to the stylus support 54. The top and bottom housing parts 20 and 30 are respectively provided with a first and a second notch 29 and 34 so as to form an opening leading to the stylus support 54 when they are connected. Thus, the stylus 80 is stored into or removed from the stylus support 54 via the opening consisting of the first and second notches 29 and 34.

Referring to FIGS. 7 and 8, the LCD panel 60 and PCB 70 are mounted on the frame 40 in the housing of the computer 10 so that they are not directly attached to the top and bottom housing parts 20 and 30. The frame 40 is connected to the top housing part 20 by means of a single screw 76, as shown in FIG. 2. A resilient insulating layer (not shown) may be interposed between the LCD panel and the top housing part 20. The frame 40 is integrally formed with the battery case 52, of which the battery terminals 74 are formed in the PCB 70, as shown in FIG. 2. The battery terminals 74 are associated with the battery case when the PCB 70 is mounted on the frame 40.

While the present invention has been described in connection with specific embodiments accompanied by the

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attached drawings, it will be readily appreciated by those skilled in the art that various changes and modifications may be made thereto while remaining within the spirit and scope of the present invention.

What is claimed is:

1. A palm-sized computer, comprising:

a housing for encasing the components of the palm-sized computer, said housing comprising a top housing part and a bottom housing part;

a frame mounted to the inside of the housing, said frame comprising:

a first holding surface on one side of the frame, and a second holding surface on the opposite side of the frame;

a liquid crystal display panel for displaying information, said liquid crystal display held on said first holding surface; and

a printed circuit board for electrically connecting components of the computer, said printed circuit board held on said second holding surface.

2. The palm-sized computer of claim 1, further comprising:

said frame being mounted to said top housing part.

3. The palm-sized computer of claim 2, further comprising:

a boss on said top housing part; and

a screw mounting the frame to the boss on the top housing part.

4. The palm-sized computer of claim 3, there being only one boss on said top housing part.

5. The palm-sized computer of claim 1, further comprising:

said frame being mounted to said bottom housing part.

6. The palm-sized computer of claim 5, further comprising:

a boss on said bottom housing part; and

a screw mounting the frame to the boss on the bottom housing part.

7. The palm-sized computer of claim 6, there being only one boss on said bottom housing part.

8. The palm-sized computer of claim 1, further comprising:

support ribs protruding perpendicularly from the edges of said frame for supporting said liquid crystal display panel on the first holding surface.

9. The palm-sized computer of claim 1, further comprising:

support ribs protruding perpendicularly from the edges of said frame for supporting said printed circuit board on the second holding surface.

10. The palm-sized computer of claim 1, further comprising:

support ribs protruding perpendicularly from the edges of said frame for supporting said liquid crystal display panel on the first holding surface and for supporting said printed circuit board on the second holding surface.

11. The palm-sized computer of claim 1, further comprising:

a plurality of spacing ribs formed on the second holding surface for spacing the printed circuit board from the second holding surface.

12. The palm-sized computer of claim 1, further comprising:

a button mounted in a side of the housing;